HHE UNIVERD SHAVES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHAML COME;

Goker's Pedigreed Seed Co.

Williereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to expect of the variety in a public repository as provided by LAW, the right to expect of the variety in a public repository as provided by LAW, the right to expect of the variety in a public repository as provided by LAW, the right to expect of the variety, or offering it for sale, or reproducing it, porting it, or exporting it, or using it in producing a hybrid or different therefrom, to the extent provided by the Plant Variety Protection Act. Nited States seed of this variety (1) shall be sold by variety name only as certified seed and (2) shall conform to the number of generations the owner of the rights. (84 stat. 1542, as amended, 7 u.s.c. 2321 et seq.)

OAT

8200122

'Mesquite'

In Lestimonn Fahercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 19th day of August in the year of our Lord one thousand nine hundred and eighty-two.

V Ala

Resolt H.Eva Acting Commissioner

Diant Variety Protection Office Grain Division

Agricultural Marketing Service

John R Block Secretary of Agriculture

Secretary of Algriculture

	PARTMENT OF AGRICULTUR	E .		FORM APPROVED	
AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION		OMB NO. 40-R3822 No certificate for plant variety protection may			
APPLICATION FOR PLANT INSTRUCTIONS: See Reverse.	VARIETY PROTECTIO	N CERTIFICATE		mpleted application form	
1a. TEMPORARY DESIGNATION ON VARIETY	DF 16. VARIETY NAM	E	DV NUMBER	AL USE ONLY	
Coker 76-14	Mesquite	t	8200	122	
2. KIND NAME	3. GENUS AND SPE		FILING DATE	TIME A.M.	
Oats	Avena	ativa L.	5/20/82 FEE RECEIVED	11:30 XXX	
4. FAMILY NAME (BOTANICAL)	5, DATE OF DETE		\$500.00	5/20/82	
			\$ 250.00	7/16/82	
Gramineae	Aug,		<u> </u>		
6. NAME OF APPLICANT(S)	7. ADDRESS (Stree Code)	t and No. or R.F.D. No.,	City, State, and ZIP	8. TELEPHONE AREA CODE AND NUMBER	
	P.O. Box 3				
Coker's Pedigreed Seed Co		, S.C. 29550		(803) 33 2-7532	
 IF THE NAMED APPLICANT IS OBGANIZATION: (Corporation 		10, IF INCORPORAT DATE OF INCOR	ED, GIVE STATE AND PORATION	11. DATE OF INCOR- PORATION	
Corporation		South Care	olina	July 12, 191	
12. NAME AND MAILING ADDRES	S OF APPLICANT REPRESENT	ATIVE(S), IF ANY, TO	SERVE IN THIS APPLIC	ATION AND RECEIVE	
Howard F. Harrison - Coker	r's Ped <mark>igree</mark> d Seed C	o., P.O. Box 34	10		
Hartsville, South Carolina	a 2 95 5 0	•			
13. CHECK BOX BELOW FOR EAC	H ATTACHMENT SUBMITTED:				
🛚 13A. Exhibit A, Origin	and Breeding History of the	Variety (See Section .	52 of the Plant Variety	Protection Act.)	
X 13B. Exhibit B, Novel	ty Statement.	•			
13C. Exhibit C. Objec	ive Description of the Variet	(Raquast form from	Plant Variety Protect	ion Office)	
= 1000 (1000)		•	Tant Functy Protect	ion ojjnocij	
13D. Exhibit D, Addit	ional Description of the Varie	ty.			
14a. DOES THE APPLICANT(S) SPEC SEED? (See Section 83(a), (If "			RIETY NAME ONLY AS	A CLASS OF CERTIFIED	
	CIFY THAT THIS VARIETY BE	14c. IF "YES," TO 14	B, HOW MANY GENER	ATIONS OF PRODUC-	
LIMITED AS TO NUMBER OF C	SENERATIONS?	FOUNDATION	ID BREEDER SEED? N X REGISTERED X CERTIFIED		
15a. DID THE APPLICANT(S) FILE I	OR PROTECTION OF THIS VA	1 —		NO (If "Yes," give	
name of countries and dates.)	ON PROTECTION OF THIS VA	METT IN OTHER COO		(X) (12) , (23) \$110	
15b. HAVE RIGHTS BEEN GRANTE and dates.)	D THIS VARIETY IN OTHER CO	OUNTRIES? TYES	X NO (If "Yes,"	give name of countries	
			15/0\ 44D ADDDESO IN	THE OFFICIAL	
16. DOES THE APPLICANT(S) AGR JOURNAL?	S NO	HIS/HER (THEIR) NAM	IE(S) AND ADDRESS IN	THE OFFICIAL	
	at a viable sample of basic sec ccordance with such regulation			application and will be	
The undersigned applicant(s) variety is distinct, uniform, a 42 of the Plant Variety Act.	is (are) the owner(s) of this s nd stable as required in Section	exually reproduced no in 41, and is entitled t	ovel plant variety, and to protection under th	believe(s) that the e provisions of Section	
Applicant(s) is (are) informed	l that false representation her	ein can jeopardize pro	otection and result in p	oenalties.	
May 14 1987		House in.	1 2 Hour	uso	
(DATE)		The state of the s	SIGNATURE OF APPLI	CANT)	
		ty ex-		1	
(DATE)		· · · · · · · · · · · · · · · · · · ·	(SIGNATURE OF APPLI	CANT	

FORM GR-470 (1-78)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

 (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

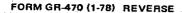


EXHIBIT A

Origin and Breeding History of the Variety

'Mesquite'

Summer 1970 - F1 Plants in Growth Chamber

1970-71 - Spaced F2 Plants in field

Summer 1971 - Idaho F3 Bulk

1971-72 - Spaced F4 Plants in field

1972-73 - F5 Bulk in field

1973-74 - F6 Headrows

1974-75 - Single F6 Headrow to Rep. Yield Test

1975-76 - Increase Block 76-14

1976-77 - Entry in Uniform Southern Oats Nursery

Coker 76-14 originated from a single F6 headrow, which was selected for crown rust resistance, plant appearance and straw strength.

Observations of blocks of headrows in subsequent generations indicate no genetic off types. The variety is unform and stable. \$\&\text{6/15/82}\$ Performance data have been recorded in the report of the 1977 Uniform Southern Oat Nursery, a copy of which is enclosed.

EXHIBIT B

Novelty Statement

Mesquite Oats

\$ 6/15/82

Mesquite most nearly resembles 'Coker 234' in seed type and disease resistance but differs in having a rather compact panicle and peduncles with a significantly larger diameter.

Diameter of stems above flag leaf node of randomly selected primary culms

		F
Variety	Mean Diam. mm	Value = 106.33
Coker 234	4.7	Probability 99+
Me s quite	6.6	

FORM GR-470-35 (1-76)

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

OBJECTIVE DESCRIPTION OF VARIETY

OAT (Avena spp.) Coker's Pedigreed Seed Co. VARIETY NAME OR TEMPORARY DESIGNATION NAME OF APPLICANT(S) Hartsville, S.C. 29550 P.O. Box 340, 'Mesquite' ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) FOR OFFICIAL USE ONLY PVPO NUMBER 8200122 Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in first box (e.g. 0 8 9 or 0 9) when number is either 99 or less. SPECIES: 1 = SATIVA 2 = BYZANTINA 3 = OTHER (Specify)_ 2. GROWTH HABIT: 2 1 = WINTER 3 = SPRING 2 = SEMIWINTER JUVENILE GROWTH: 2 = SEMIPROSTRATE 3 = ERECT 1 ª PROSTRATE STANDARD VARIETIES 1 = JAYCEE 2 = CLINTLAND 64 3 = CAYUSE 4 = NORLINE 5 = YANCEY 6 = FLORIDA 501 MATURITY (50% flowering): DAYS EARLIER THAN.... STANDARD VARIETY DAYS LATER THAN.... STANDARD VARIETY 1 = VERY EARLY (Jaycee) 2 = EARLY (Nodaway 70) 3 = MIDSEASON (Clintford) 4 = LATE (Lodi) 5 = VERY LATE (Garry) 6 = EXTREMELY LATE (Mackingw) 4. PLANT HEIGHT (From soil level to top of head): CM. TALL CM. SHORTER THAN . . . STANDARD VARIETY n STANDARD VARIETY CM. TALLER THAN 5. STEM: 3 DIAMETER 1 = FINE (Kherson) 2 = MEDIUM (Clintford) 3 = COARSE (Nodaway 70) 2 HAIRINESS AT UPPER CULM NODES: 1 = HAIRLESS 2 = HAIRY MATURE STEM COLOR: 1 = YELLOW 2 * REDDISH 6. LEAF: (Leaf Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the leaf color of the described variety.) CARRIAGE: RHS 137A1 = DROOPING (Random) 2 = ERECT (Walken) COLOR: 6/02/82 - 60 D 1 = YELLOW GREEN 2 = LT. GREEN 3 = DK. GREEN 4 = BLUE GREEN MM. WIDTH (First leaf below flag leaf) LEAF MARGIN: 1 = GLABROUS 2 = CILIATE 2 LIGULE: 1 = ABSENT 2 = PRESENT LEAF SHEATH: 2 = HAIRY 1 = HAIRLESS 7. HEAD: 1 PANICLE SHAPE: 1 = EQUILATERAL 2 = INTERMEDIATE 3 = SIDE PANICLE (Unilateral) ATTACHMENT OF LOWER WHORL OF BRANCHES: 1 = FIRST NODE 2 = SECOND NODE (False node) PANICLE SIZE: 1 = SMALL (Yancey) 3 = LARGE (Markton) 2 = MEDIUM (Walken) 2 PANICLE WIDTH: 1 = NARROW (Gopher) 2 = MIDBROAD (Yancey) 3 = BROAD (Nodaway 70) 2 I CM. PANICLE LENGTH NUMBER OF BRANCHES NUMBER OF WHORLS OF BRANCHES POSITION OF BRANCHES: 1 = ASCENDING (Yancey) 2 = SPREADING (Cayuse) 3 = DROOPING (Markton) 4 = PECTINATE (White Tarter) 5 = CONFUSED (Storm King)

SEED SHAPE

Coker 234

Coker 234

SEED COLOR

EXHIBIT D

'Mesquite' Oats

Additional Description of the Variety

'Mesquite', (Coker 76-14) is a winter oat with a semi-decumbent growth habit. Crown rust and soil-borne mosaic reaction and seed size and color seem to be similar to 'Coker 234'. It is characterized by having medium short plants, semi-compact panicles and a large stem diameter.

Leaves are yellow green approximating RHS color 137A. Leaf margins are glabrous, sheaths hairless, carriage drooping to erect.

Panicles are equilateral averaging 21 cm long, 7 whorls and 29 branches. Seed are usually 2 per spikelet and separated by heterofracture. Lemmas will vary in color with degree of weathering from RHS 164A to 164D, average 14 mm long and are hairless on the dorsal surface. Separation is by semiabscission. Paleas are somewhat gray-tinged.

County Make York)

County Make York)

TRANSFER OF OWNERSHIP

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company, Hartsville, S.C., is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following protected varieties:

Wheat Varieties

Variety Name	Plant Variety Certificate No.	 Issue Date
Coker 68-15	7200014	March 6, 1974
Coker 68-19	7200015	March 6, 1974
Coker 747	76TQ015	 September 9, 1978
Coker 762	8000152	December 12, 1981
Coker 797	8000145	December 12, 1981

Oat Varieties

Variety Name	Plant Variety Certificate No.		Issue Date
Coker 227	7500007	•	October 20, 1977
Coker 716	7900003		December 28, 1978
Coker 234	7500008		October 26, 1977
Four Twenty-Two	7700085		April 12, 1979
Big Mac	8200121		August 19, 1982
Mesquate	8200122		August 19, 1982

Soybean Varieties

Variety Name	Plant Variety Certificate No.	Issue Date
Coker-Hampton 266A	7100022	September 6, 1973
Coker 136	7300091	October 18, 1973
Coker 338	7400058	October 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7900035	July 13, 1978
Coker 156	79.00043	November 27, 1979
Coker 317	8100095	November 19, 1981
Coker 368	8200140	August 31, 1983

COKER'S PEDIGREED SEED CO.

ሃ **፡** __

E. Jøe Dahmer, President

Date:

Sworn and subscribed to before me this 29 day of February, 1984.

Notary Public for South Cambine

RUTH SILBER
NOTARY PUBLIC, State of New York
No. 31-8994050
Qualified in New York County
Commission Expires March 30, 1984

ASSIGNMENT

WHEREAS, CR Seeds, a general partnership having it principal office at 900 Darlington Highway, Hartsville, South Carolina 29550 ("Partnership"), is the owner of the entire right, title and interest to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto;

WHEREAS, the partners of CR Seeds, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS") and Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), are each desirous of acquiring a one-half undivided interest in the varieies and Certificates listed on Appendix A;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CR Seeds does hereby sell, assign and transfer to RHS a one-half undivided interest in and to the varieties and Certificates and to CPS a one-half undivided interest in and to the varieties and Certificates for each of their use and benefit and for each of their successors and assigns.

IN TESTIMONY THEREOF, CR Seeds intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

CR Seeds

President

State of South Carolina)

County of Darlington)

On this 30th day of December, 1986, before me appeared E. Joe Dahmer of CR Seeds, the person who signed this instrument who acknowledged that he signed it as a free act on behalf of CR Seeds with authority to do so.

yary Public

My commission expires

1-11-91

APPENDIX A

Soft Red Winter Wheat Varieties

Variety Name	U.S. Plant Variety Certificate No.	Issue Date
Coker 68-15	7200014	Mar. 6, 1974
Coker 68-19	7200015	Mar. 6, 1974
Coker 747	76TQ015	Sept. 9, 1978
Coker 762	8000152	Dec. 12, 1981
Coker 797	8000145	Dec. 12, 1981
Coker 916	8300036	Sept. 27, 1985
Coker 983	84000581	Feb. 27, 1984 ¹
McNair 701	7200038	Feb. 26, 1974
McNair 4823	7200037	April 8, 1975
RHS 8232	8400136 ¹	July 16, 1984 ¹
9227	86000091	Oct. 22, 1985 ¹
9323	8600010 ¹	Oct. 22, 1985 ¹

^{1.} Application number and filing date.

Soybean Varieties

Coker		
Hampton 266A	7100022	Sept. 6, 1973
Coker 136	7300091	Oct. 18, 1973
Coker 338	7400058	Oct. 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7800035	July 13, 1978
Coker 156	7900043	Nov. 27, 1979
Coker 317	8100095	Nov. 19, 1981
Coker 368	8200140	Aug. 31, 1983
Coker 425	8400077	May 31, 1985
Coker 485	8400078	May 31, 1985
Coker 393 (0327-4270)	8400018	Jan. 25, 1985
Coker 355 (XP5878)	8400019	Jan. 25, 1985
Coker 627	87000011	Oct. 3, 1986 ¹
Coker 686	$\mathtt{Pending}^{1}$	Dec. 19, 1986

^{1.} Application number and filing date.

Variety Name	U.S. Plant Variety <pre>Certificate No.</pre>	Issue Date
AP55	8100089	Feb. 18, 1982
AP70	7800081	Feb. 15, 1979
AP71	8100090	Sept. 24, 1981
Lancer	7600044	Sept. 29, 1976
RA-526	7500067	Dec. 12, 1975
RA-604	7900008	Mar. 1, 1975
RA-680	8100097	Apr. 15, 1982
RA-502	8200160	Aug. 31, 1983
RA-606	8200161	Oct. 27, 1983
RA-580	8300075	Apr. 30, 1984
Mitchell	7300054	Oct. 30, 1974
RA-401	7800030	June 22, 1978
RA-601	7800031	June 22, 1978
Mitchell 450	7900046	June 14, 1979
RA-481	8000054	Mar. 26, 1981
RA-402	8000093	July 31, 1981
Mitchell 410	8200162	Oct. 27, 1983
RA-403	8200163	Oct. 27, 1983

e di di e a a

Variety Name	Certificate No.	Issue Date	
RA-451	85000081	Oct. 10, 1984 ¹	
RA-452	8500009 ¹	Oct. 10, 1984 ¹	
RA-405	8500010 ¹	Oct. 10, 1984 ¹	
RA-501 A	76TQ006	May 11, 1978	
RA-480	7900007	Feb. 15, 1979	

^{1.} Application number and filing date.

ASSIGNMENT

WHEREAS, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS"), is the owner of a one-half undivided interest in and to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto:

WHEREAS, Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), is desirous of acquiring this onehalf undivided interest in the aforementioned varieties and Certificates:

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, RHS does hereby sell, assign and transfer to CPS RHS's one-half undivided interest in and to the varieties and Certificates for CPS's use and benefit and for its successors and assigns.

IN TESTIMONY THEREOF, RHS intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

By: Haward A. Muylen Assistant Treasurer

State of Philabelphia) SS
County of Philabelphia

On this 3/st day of December . 1986, before me appeared Howard A. Mergelkamp of Rohm and Haas Seeds Inc., the person who signed this instrument who acknowledged that he signed it as a free act on behalf of Rohm and Haas Seeds Inc. with authority to do so.

ELIZABETH / Notary Public
ary Public

Notary Public, Phila. Co.

My commission expires My Commission Expires Oct. 74, 1989

ASSIGNMENT OF PLANT VARIETY PROTECTION CERTIFICATES

WHEREAS, COKER'S PEDIGREED SEED COMPANY, a South Carolina corporation ("Coker's"), having its offices at 900 Darlington Highway, Hartsville, South Carolina 29550, has adopted and used and is the sole and exclusive owner of certain United States Plant Variety Protection Certificates and similar rights under laws of countries other than the United States as listed in Exhibit A hereto:

WHEREAS, COKER'S PEDIGREED SEED CO. and NORTHRUP KING CO., a Delaware corporation ("NK"), have entered into an Asset Purchase Agreement, dated July 20, 1988, providing for the purchase and sale of substantially all of the assets and business of Coker's and the assumption of certain of Coker's liabilities and obligations by NK; and

WHEREAS, NK desires to acquire the right, title and interest in, to and under the Plant Variety Protection Certificates listed on Exhibit A hereto and the pending applications hereto (collectively, the "Plant Variety Protection Certificates").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Coker's hereby sells, assigns, transfers and sets over to NK the Plant Variety Protection Certificates. Coker's further agrees, at no cost to it, to execute and deliver to NK, upon the request of NK, any further instrument of assignment that may be necessary to effectuate the transfer of each Plant Variety Protection Certificate.

IN WITNESS WHEREOF, Coker's has caused this instrument to be executed by its duly authorized representative as of the 20th day of July, 1988.

COKER'S PEDIGREED SEED COMPANY

By:
E. Joe Dahmer
President

STATE OF MINNESOTA)
) ss:
COUNTY OF HENNEPIN)

On this 20th day of July, 1988, before me, a Notary Public in and for the County aforesaid, the undersigned officer, E. Joe Dahmer, personally appeared and acknowledged himself to be the President of Coker's Pedigreed Seed Co., and that he executed the foregoing instrument for the purposes therein.

WITNESS my hand and seal this 20th day of July, 1988.



Motary Public

Winter Oat Varieties

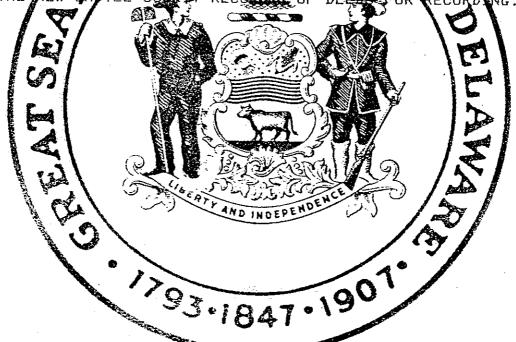
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	Variety Name	U.S. Plant Variety Certificate Number	Issue Date	Term (Yrs.)
	Coker 227	7500007	Oct. 20, 1977	17
-	Coker 716	7900003	Dec. 28, 1978	17
	Coker 820	8400059	June 30, 1987	18
	Coker 234	7500008	Oct. 26, 1977	17
	Four Twenty Two	7700085	Apr. 12, 1979	17
	Big Mac	8200121	Aug. 19, 1982	18
	Mesqui te	8200122	Aug. 19, 1982	18
		Tobacco Var	<u>rieties</u>	
	Coker 347	72022	Oct. 27, 1976	17
	Coker 411	72023	Oct. 27, 1976	17
	Coker 86	7600004	Oct. 27, 1976	17 - 17
	Coker 48	7800008	Sept. 20, 1978	17
	Coker 51	8100048	Feb. 18, 1982	18
	Coker 176	8300056	Sept. 29, 1983	18
	Coker 206	8500040	Apr. 30, 1986	18
	Coker 371 Gold	8700049	Sept. 30, 1987	18
		Cotton Var	<u>rieties</u>	
	Coker 310	7100021	Jan. 18, 1974	17
	Coker 304	7700024	Dec. 21, 1978	17
	Coker 420	7900087	Jan. 29, 1980	17
	Coker 315	8000087	Dec. 18, 1980	17

State of Delaware

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "NORTHRUP KING CO.", CHANGING ITS NAME EROM "NORTHRUP KING CO." TO "NOVARTIS SEEDS, INC.", FILED IN THIS DEFINE ON THE HIRTLETH DAY OF DECEMBER, A.D. 1994, AMP O'CLOCK A.M.

THE NEW WASTLE COMEN RECORDED OF DEPARTURE O





Edward J. Freel, Secretary of State

0829320 38100

960389892

AUTHENTICATION:

8267947

DATE:

12-31-96

CERTIFICATE OF AMENDMENT OF CERTIFICATE OF INCORPORATION

OF

NORTHRUP KING CO.

It is certified that:

- 1. The name of the corporation (hereinafter called the "Corporation") is Northrup King Co.
- 2. The Certificate of Incorporation of the Corporation is hereby amended by striking out Section 1 thereof and by substituting in lieu of said Section the following new Section.
 - 1. The name of the Corporation is Novartis Seeds, Inc.
- 3. The amendment of the certificate of incorporation herein certified has been duly adopted and written consent has been given in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware.
 - 4. The effective date of the amendment herein certified shall be January 1,1997.

Signed on December 27, 1996.

Edward C. Resler

Vice President & Secretary

80: 1 I